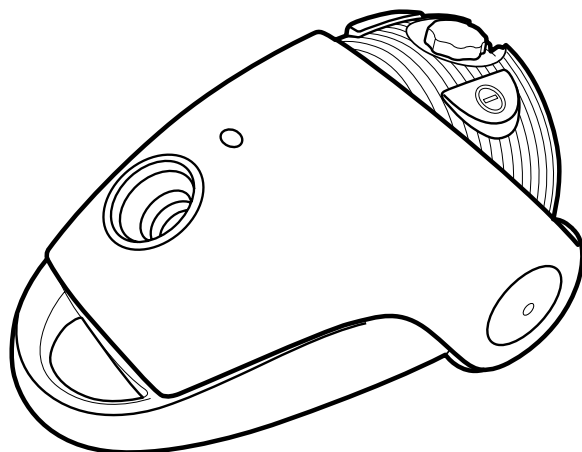


Service Manual

Vacuum Cleaner



MC-E7305 / MC-E7305K
MC-E7303 / MC-E7303K
MC-E7302
MC-E7301 / MC-E7301K

Specifications

Model No.	MC-E7305 MC-E7305K	MC-E7303 MC-E7303K	MC-E7302	MC-E7301 MC-E7301K
Power source	AC230V~50Hz AC230-240V~50Hz	AC230V~50Hz AC230-240V~50Hz	AC230V~50Hz	AC230V~50Hz AC230-240V~50Hz
Input power (MAX)	1800W	1600W	1500W	1500W
Input power (IEC)	1600W	1450W	1350W	1350W
Power control	●	●	●	-
Extension wand	Metal telescopic	Metal telescopic	Metal (2 pieces)	Metal (2 pieces) or Telescopic
Floor nozzle 2-Step	●	●	●	●
Parquet nozzle	●	-	-	-
Dimensions (L x W x H) mm	420 x 260 x 250			
Cord length	5.0 m			
Net weight	4.5 kg			
Cleaning tools	Crevice nozzle / Dusting brush			

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.

Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

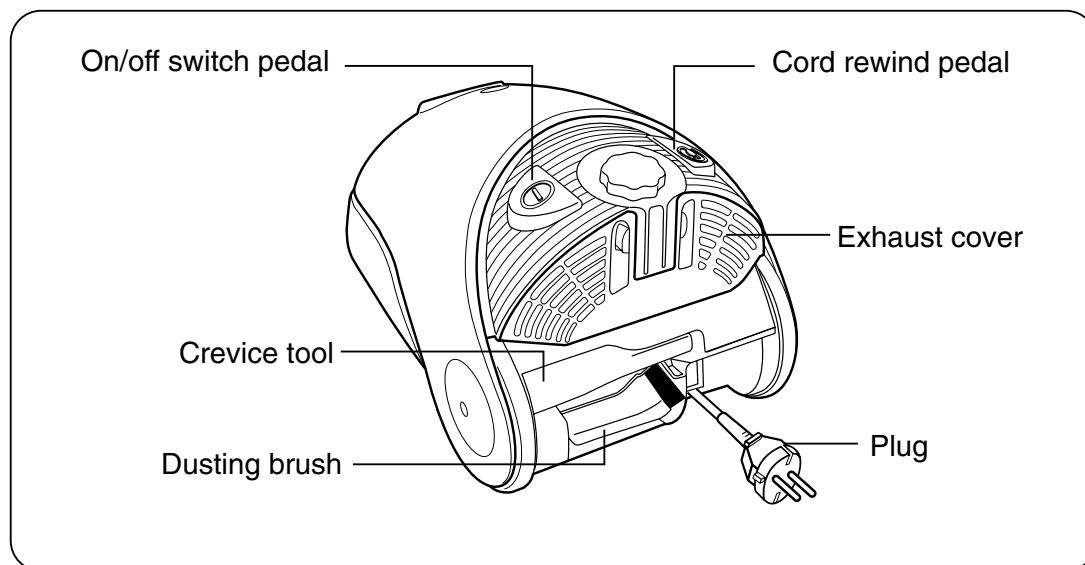
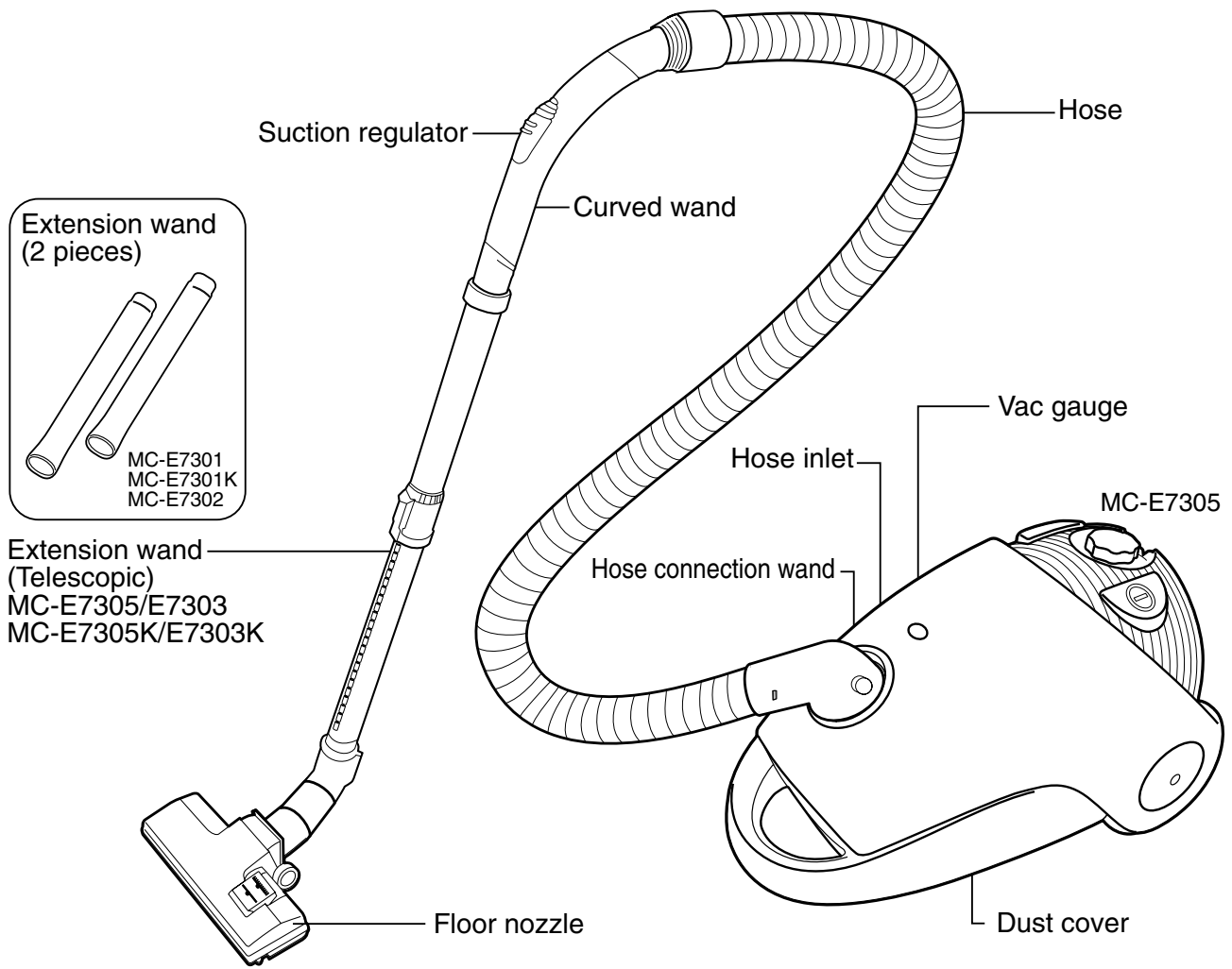
Panasonic

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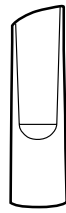
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1 NAME OF PARTS



Cleaning tools



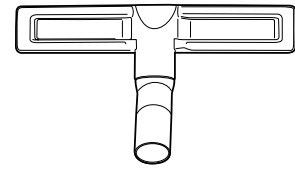
●Crevice tool

For radiators, crevices, corners, baseboards and between cushions.



●Dusting brush

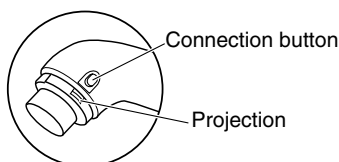
For furniture, venetian blinds and bookshelves.



●Wooden floor nozzle

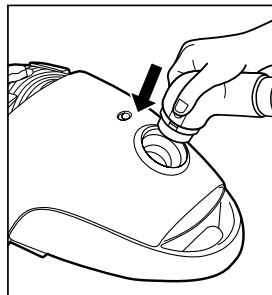
For Wooden floor
(MC-E7305 ONLY)
MC-E7305K

Connecting the hose



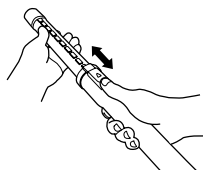
NOTE

■Do not bend, pull and step on the hose or put anything heavy on it.



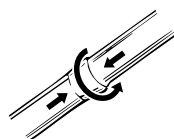
- Insert hose connection wand into hose inlet until it locks by fitting two projections on hose connection wand. When removing hose assembly, pull out hose connection wand with pushing down two connection buttons.

MC-E7305 / MC-E7303
MC-E7305K / MC-E7303K



- You can adjust the length of telescopic wand by pushing button.

MC-E7301
MC-E7302



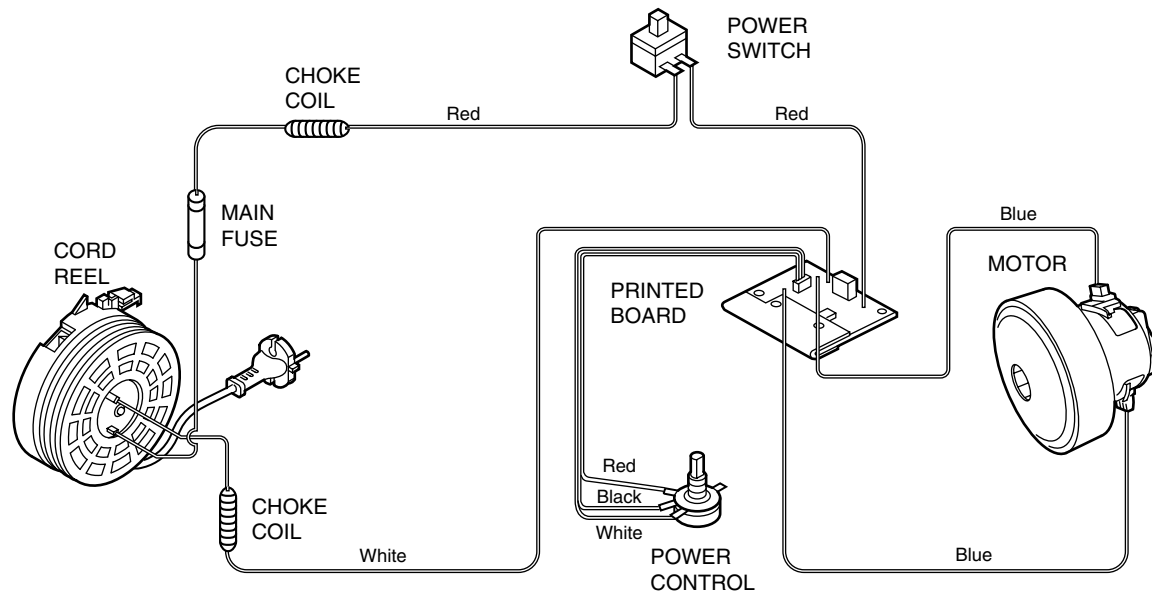
- To attach extension wand to the extension wand, floor nozzle and hose, connect the extension wand firmly to the extension wand, and the hose, twisting them each other.

2 PICTORIAL DIAGRAM

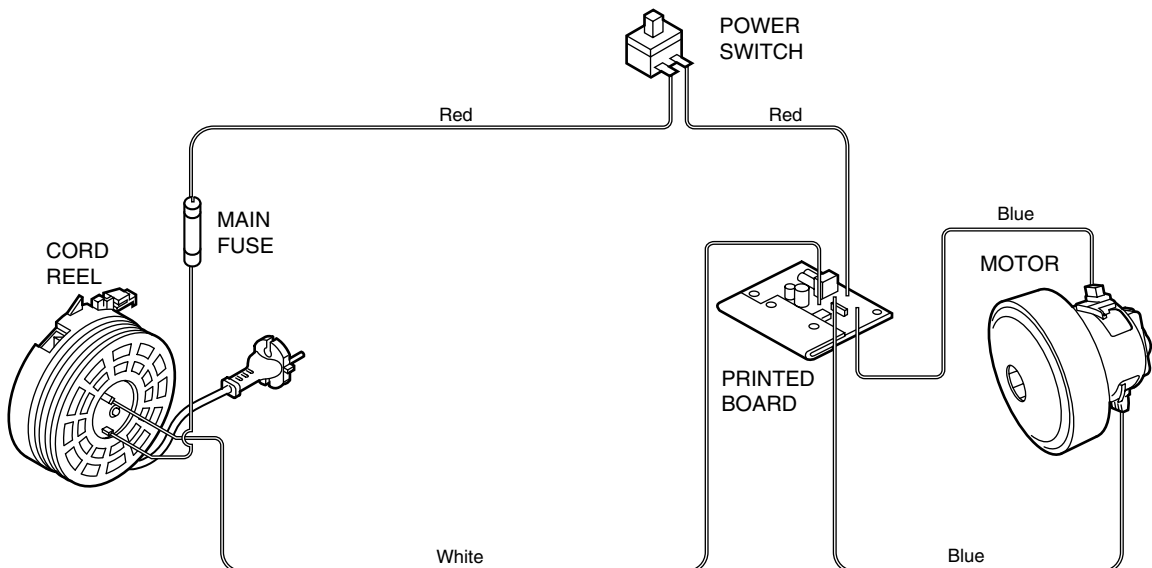
MODEL MC-E7305 / E7305K

MODEL MC-E7303 / E7303K

MODEL MC-E7302



MODEL MC-E7301 / E7301K

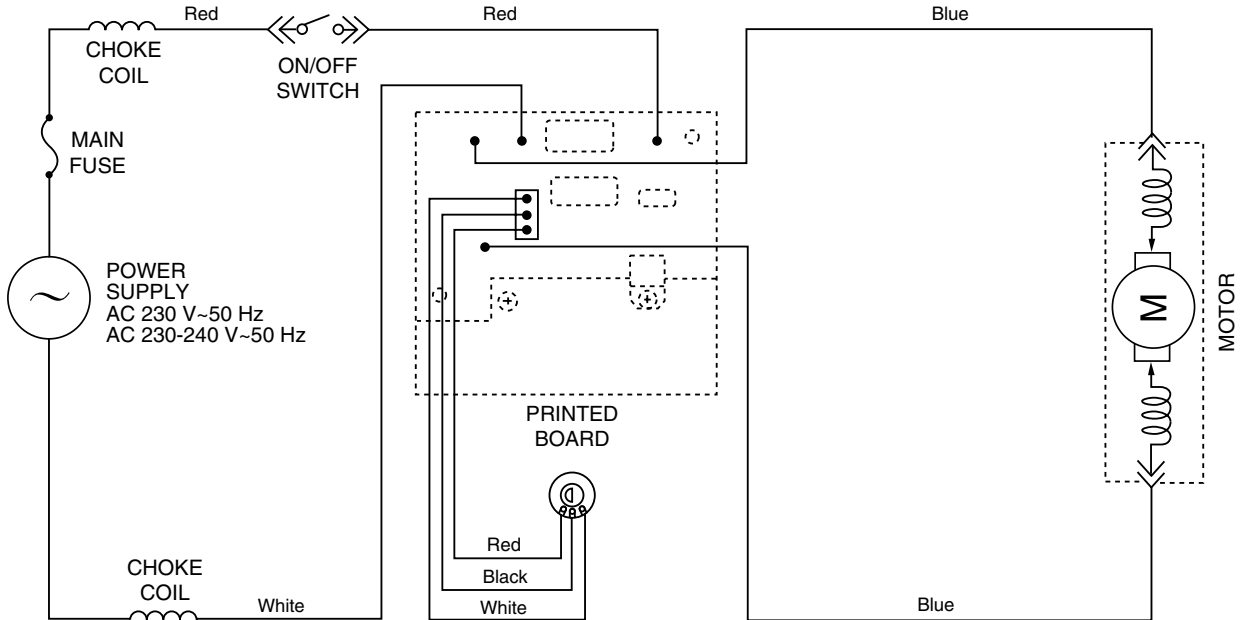


3 SCHEMATIC DIAGRAM

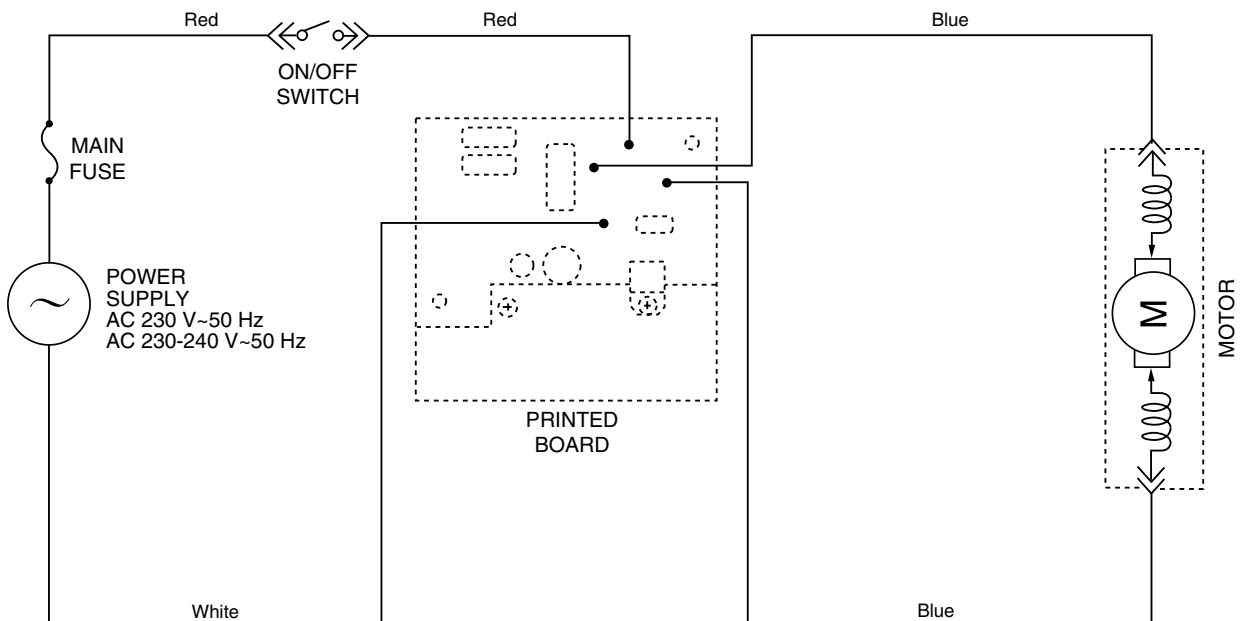
MODEL MC-E7305 / E7305K

MODEL MC-E7303 / E7303K

MODEL MC-E7302



MODEL MC-E7301 / E7301K



4 TROUBLE SHOOTING GUIDE

CONDITION	CHECKPOINT	METHOD OF INSPECTION	CAUSE / REMEDY
Motor fails to rotate. (no noise is heard at all).	Power cord	Check power cord continuity.	If there is no continuity, replace the power cord.
	Fuse (Plug for UK only)	Check plug fuse continuity.	If there is no continuity, replace the fuse.
	Main fuse (250V, 12 A)	Check main fuse continuity.	If there is no continuity, replace the main fuse.
	Motor continuity	Check motor continuity between carbon brush holder tabs.	If there is no continuity, replace the motor.
	ON/OFF Switch	Check continuity across ON/OFF switch tabs.	If there is no continuity, replace the switch.
	Thermal cut-out	Check continuity across thermal cut-out connection points. (Assembled in motor)	If there is no continuity, replace the motor.
	Triac	Check if the triac is in open circuit. (Assembled in PCB)	If it is in open circuit, replace power board ass'y.
	Power board	Check if the diac is in open circuit.	If it is in open circuit, replace power board ass'y.
	* Rotary potentiometer	Check if the potentiometer is in open circuit.	If it is in open circuit, replace power control.
Motor runs but there is no suction.	Hose or Suction inlet, Tubes and nozzle	Check for any possible blockage in the indicated parts .	If there is any blockage, remove it.
	Dust bag / Central filter	Check if dust bag is full or central filter is choked up.	If dust bag is full, replace with a new one. If central filter is choked up, remove and clean it out or replace.
Noise or vibration	Motor fan	Check dust accumulated in motor fan.	If there is dust accumulated in the motor fan, replace the motor and check filter condition (never try to dismantle the motor fan)
Motor does not change power (runs always at full speed)	* Rotary potentiometer	Check possible bad contact of power control potentiometer.	If there is bad contact, replace the power control.
	* Power board	Check if power board circuit is short-circuited.	If it is short-circuited, replace power board ass'y.
Motor runs irregularly	* Rotary potentiometer	Check possible bad contact of power control potentiometer.	If there is bad contact, replace power control.

NOTE: Parts marked with (*) only affect to model with power control.

5 REPLACEMENT OF MAIN PARTS

IMPORTANT: Before replacing any part always
DISCONNECT THE CLEANER FROM THE ELECTRICITY SUPPLY.

5.1. Removing attachment nozzle and rear cover

1. Remove the attachment crevice nozzle and dusting brush. (Fig. 1)

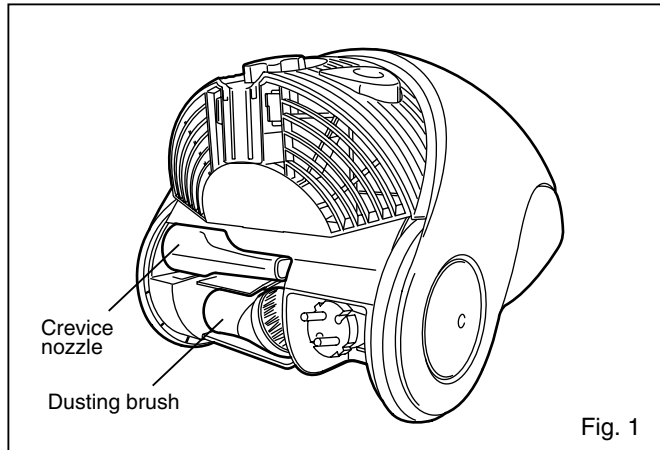


Fig. 1

2. Remove the rear cover and exhaust filter. (Fig. 2)

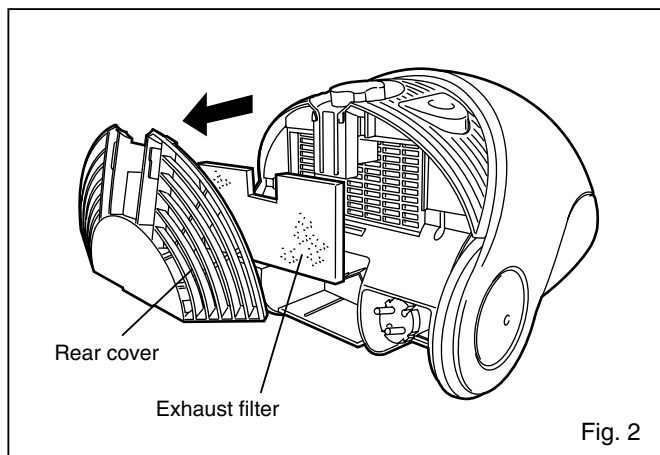


Fig. 2

5.2 Removing dust cover unit

1. When the latch of the dust cover unit is disengaged, remove the mounting screw (1 piece) of the left /right roller caps and remove them. (Fig. 3)

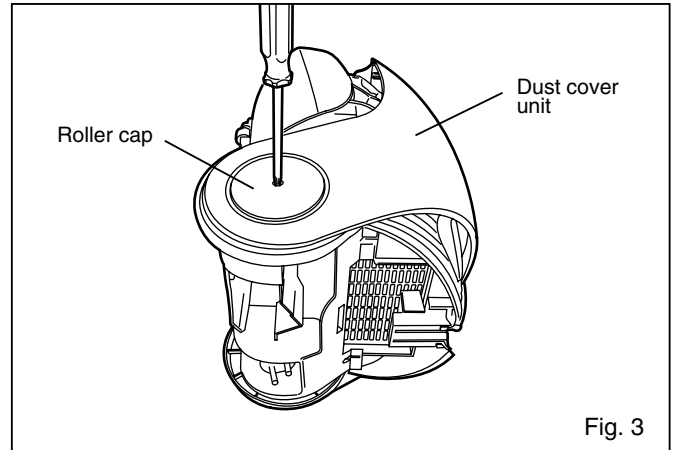


Fig. 3

2. Expanding the hem area of the dust cover unit left/right ward, remove the dust cover unit from the main body. (Fig. 4-5)

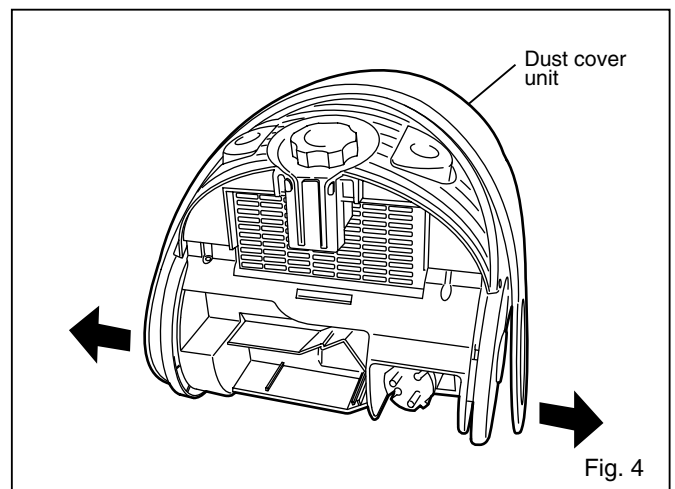


Fig. 4

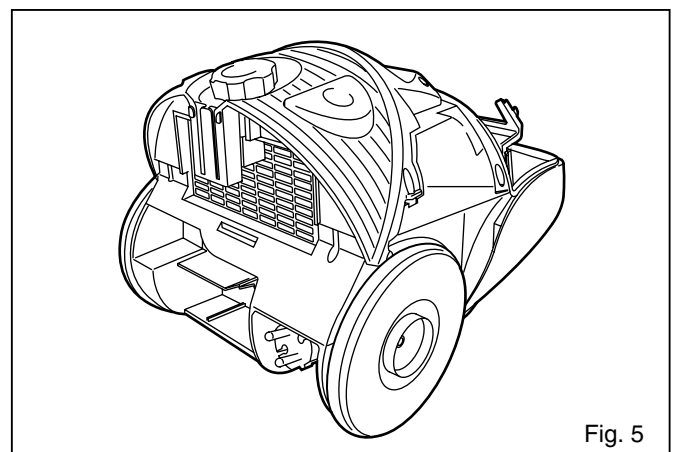
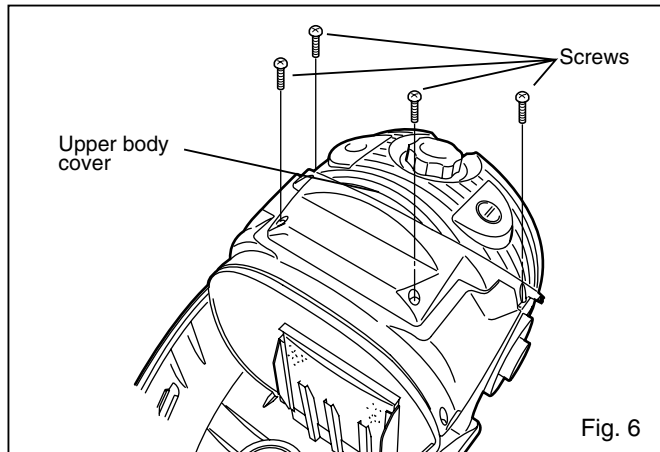


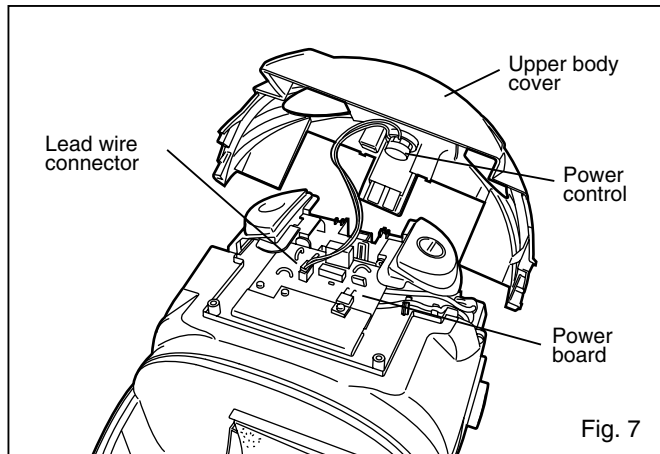
Fig. 5

5.3. Removing upper body cover

1. Remove the mounting screws (4 pieces), and remove the upper body cover. (Fig. 6)

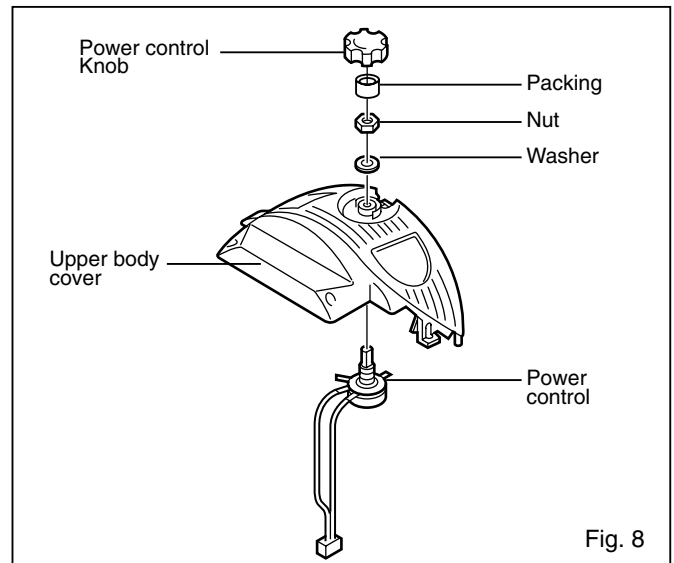


2. Disconnect the lead wire connector of the power control from the power board and remove upper body cover. (Fig. 7)

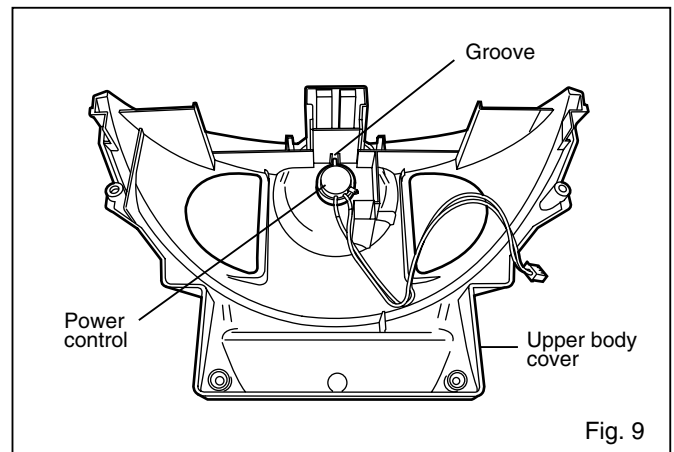


5.4. Removing power control

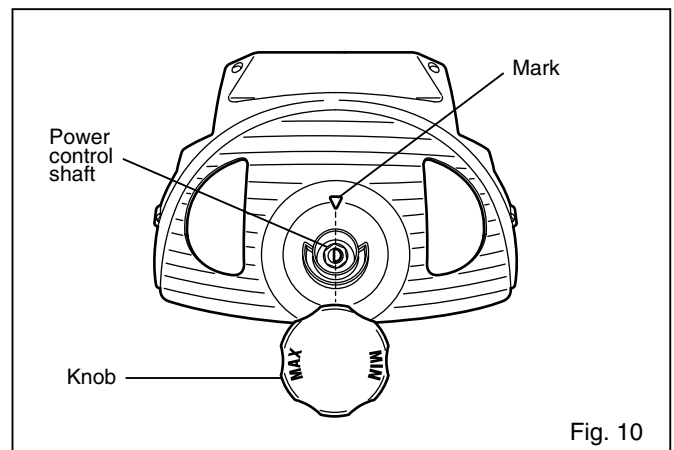
1. Pull off the power control knob.
2. Remove the fastening nuts with hex. socket wrench and remove the power control from upper body cover. (Fig. 8)



3. < Attaching power control >
Engage the stopper of the power control into the groove on the rear side of the upper body cover, and fasten the power control with the fastening nuts. (Fig. 9)

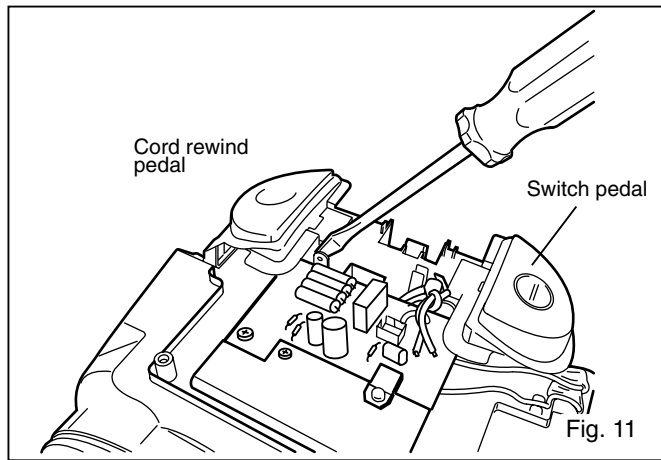


4. < Attaching knob >
As shown in the figure, position the cut surface of the power control shaft and push in the knob aligning with the mark of the upper body cover. (Fig. 10)

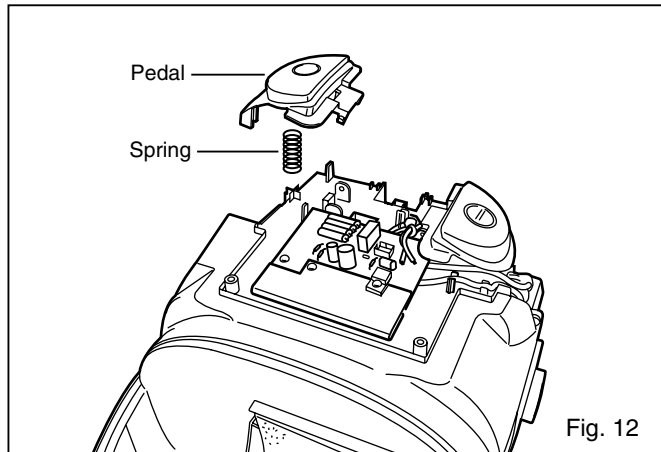


5.5. Removing cord rewind / switch pedals

1. Insert the minus screwdriver into the hinge area (clearance between pedal and upper body) of the pedal and pry off for removal. (Fig. 11)

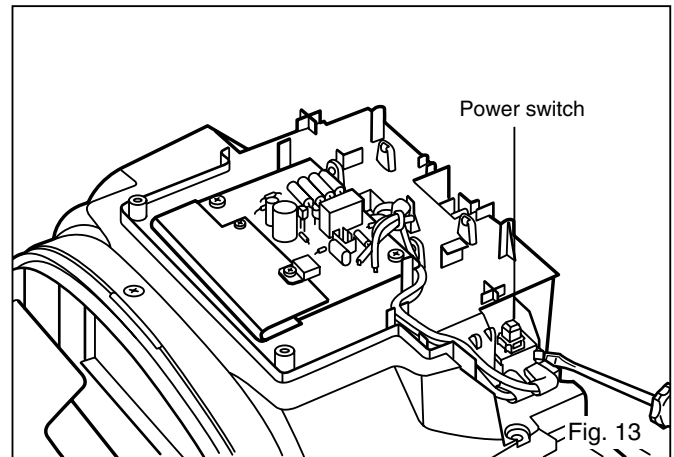


2. When the pedals are removed, the springs are also removed together. (Fig. 12)

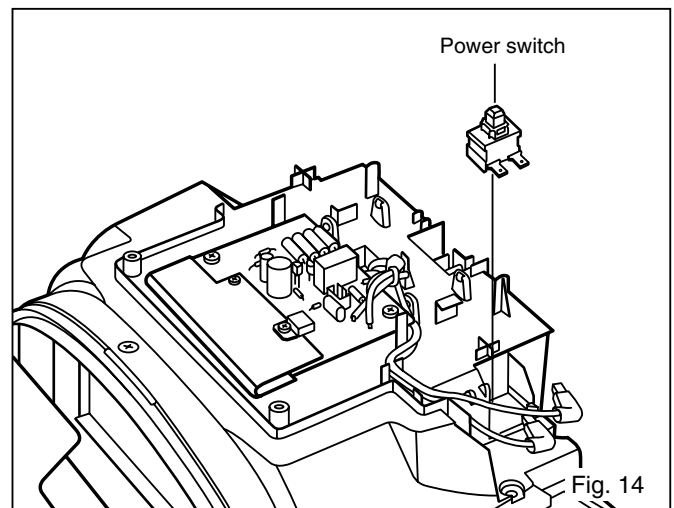


5.6. Removing/replacing power switch

1. Using the minus screwdriver or similar, expand the upper body's hook which fastens the power switch. (Fig. 13)



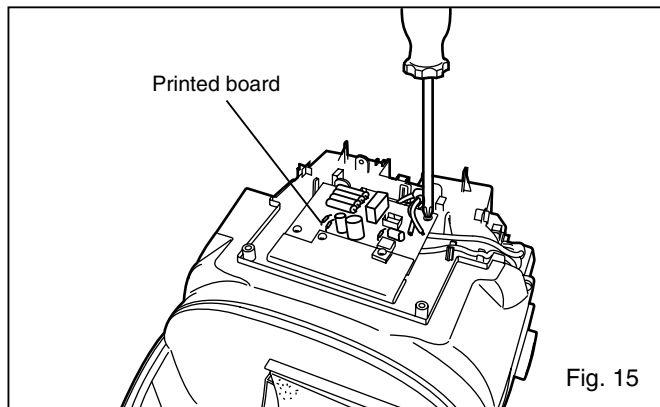
2. Disconnect the stopper-provided faston terminal from the switch and replace the power switch.
3. Connect the removed lead wires to the switch tabs and reinstall in its lodging. (Fig. 14)



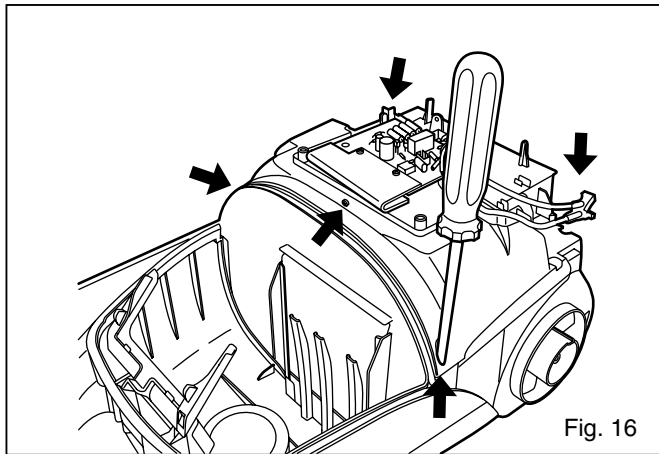
NOTE: Make sure the lead wires and lower body seal are correctly positioned to avoid pinching them between parts.

5.7. Removing upper body

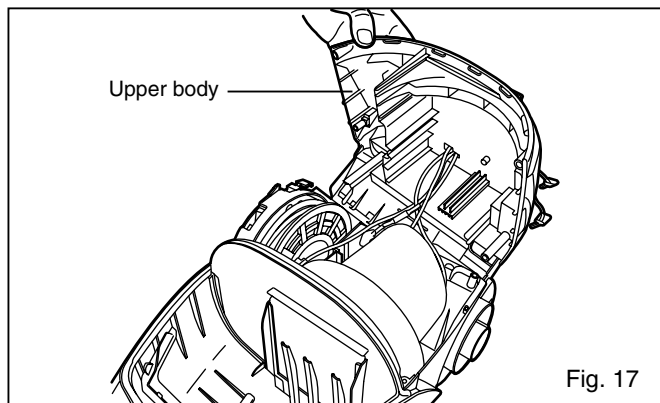
1. Remove the printed circuit board fastening screws (2 pieces), and float the circuit.(Fig. 15)



2. Remove the lower body seal.
3. Remove the upper body fastening screws (5 pieces) at the arrowed position. (Fig. 16)

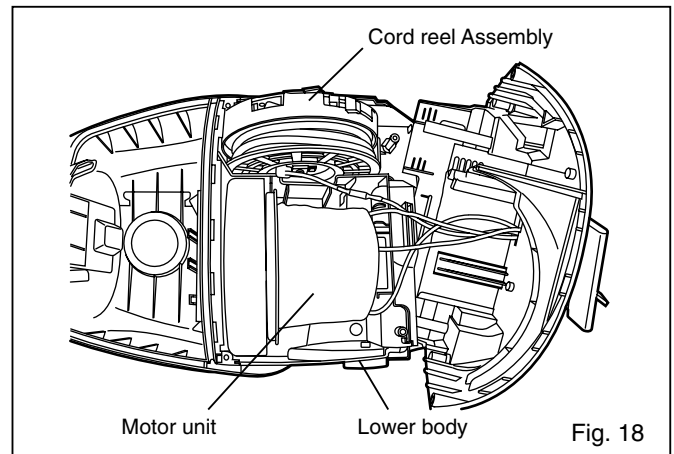


4. Remove upper body. (Fig. 17)

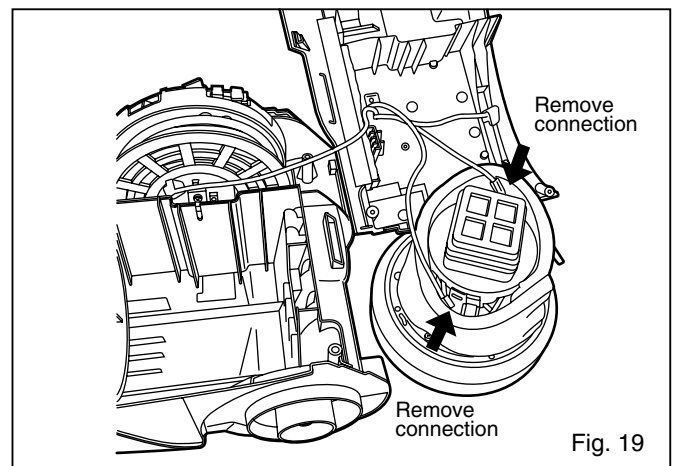


5.8. Replacing motor

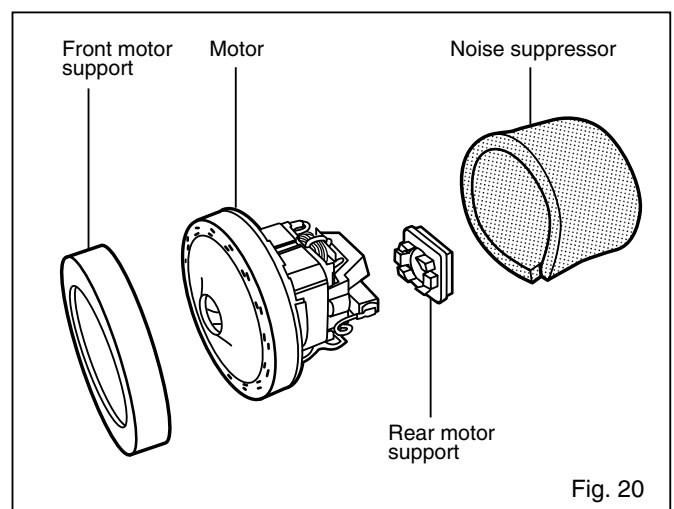
1. Straightly pull up the motor unit from the lower body for replacing. (Fig. 18)



2. Disconnect faston connection terminal from the motor. (Fig. 19)



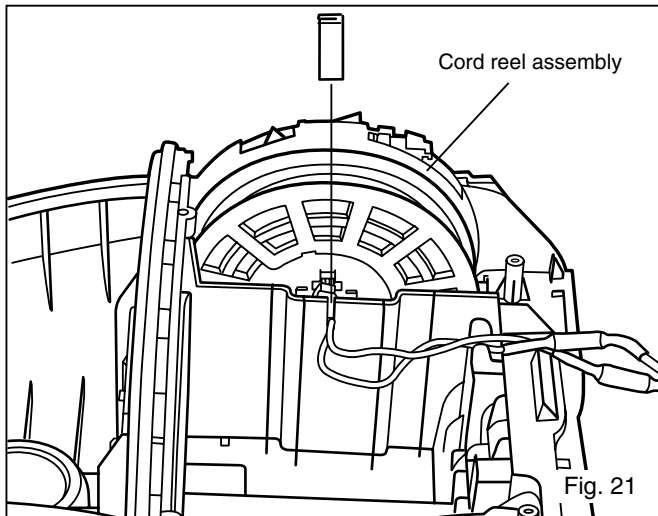
3. Remove front / rear motor support and noise suppressor. (Fig. 20)



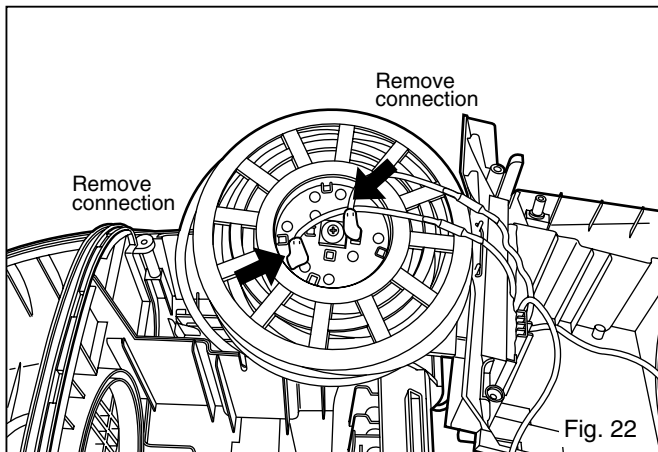
4. Replace motor unit with a new one.

5.9. Replacing the cord reel assembly

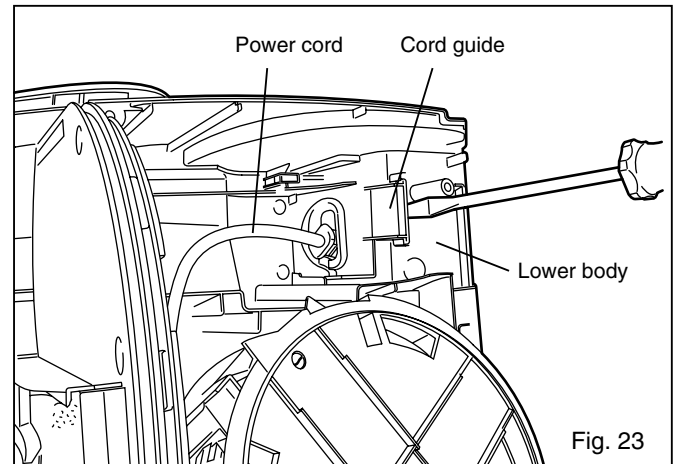
1. When the motor is removed from the lower body, straightly pull up the cord reel from the lower body for removal. (Fig. 21)



2. Disconnect faston connection terminals from the cord reel. (Fig. 22)



3. Pull up the cord guide of the lower body and remove the power cord from the guide. (Fig. 23)

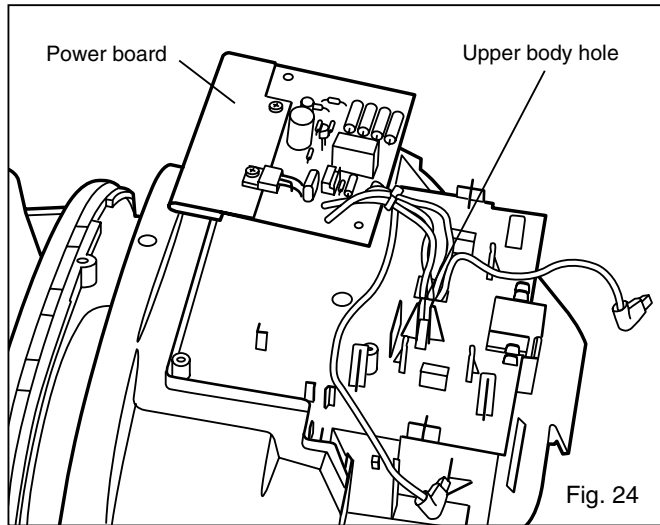


4. Replace cord reel assembly with a new one and pro-wind the power cord the extra times indicated on the cord reel sticker.
5. Reinstall cord reel assembly, motor unit and remaining parts in the reverse order to the removing procedure.

NOTE: Make sure the lead wires and lower body seal are correctly positioned to avoid pinching them between parts.

5.10. Replacing power board

1. Remove the lead wires from the hole of the upper body.
2. Remove the power board from the upper body and replace with a new one. (Fig. 24)

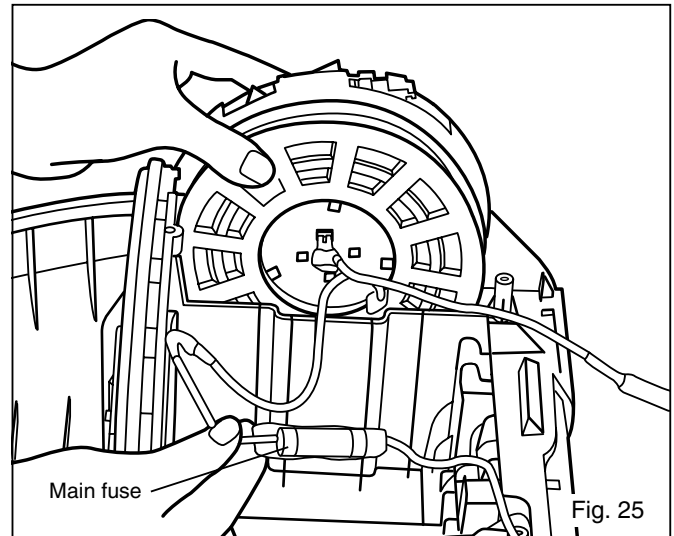


3. Connect the lead wires according to the schematic diagram and reassemble power board and remaining parts in the reverse order to the removing procedure.

NOTE: Make sure the lead wires and lower body seal are correctly positioned to avoid pinching them between parts.

5.11. Replacing main fuse

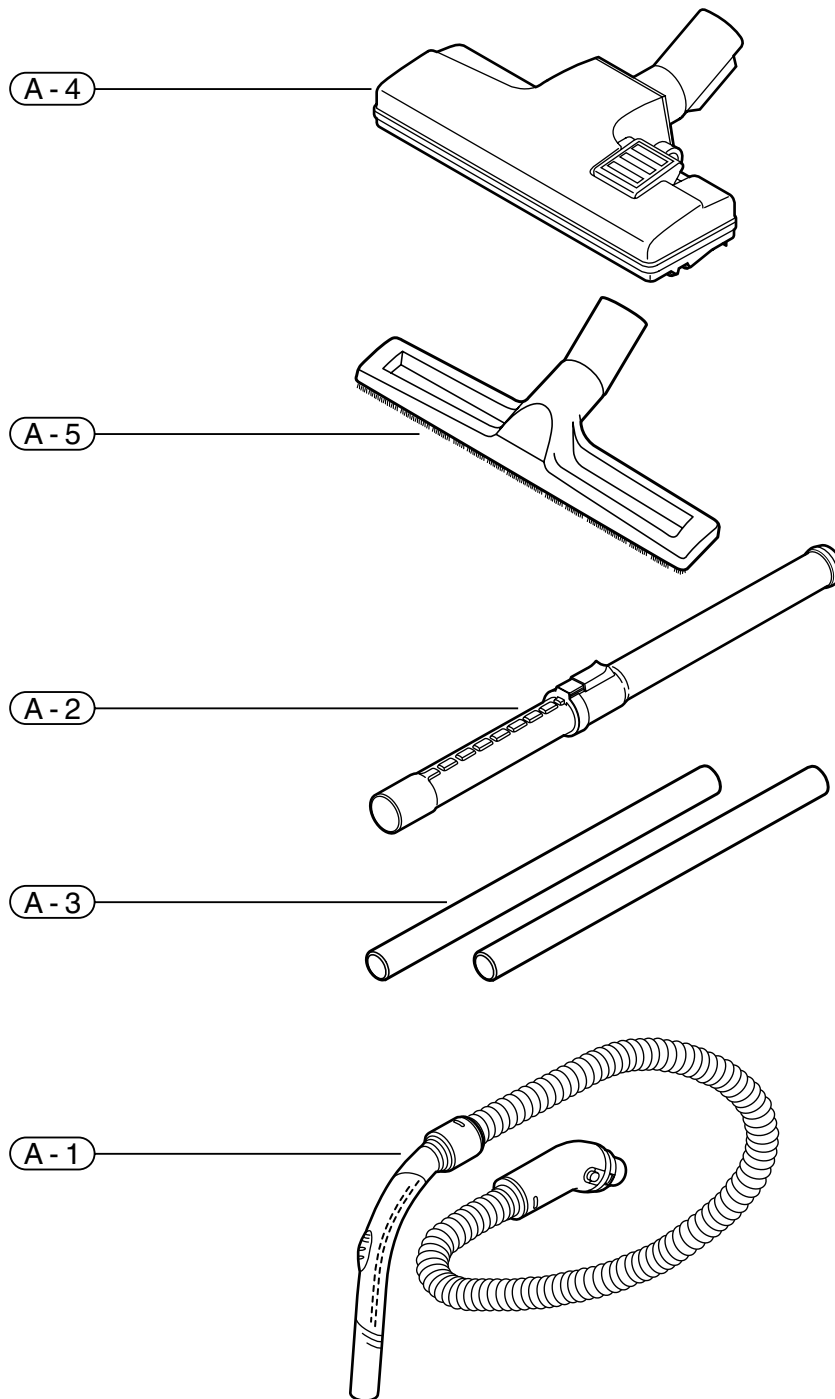
1. Remove main fuse connections and replace with a new one. (Fig. 25)



2. Connect main fuse according to the schematic diagram and reassemble the remaining parts in the reverse order to the removing procedure.

6 REPLACE AT PARTS

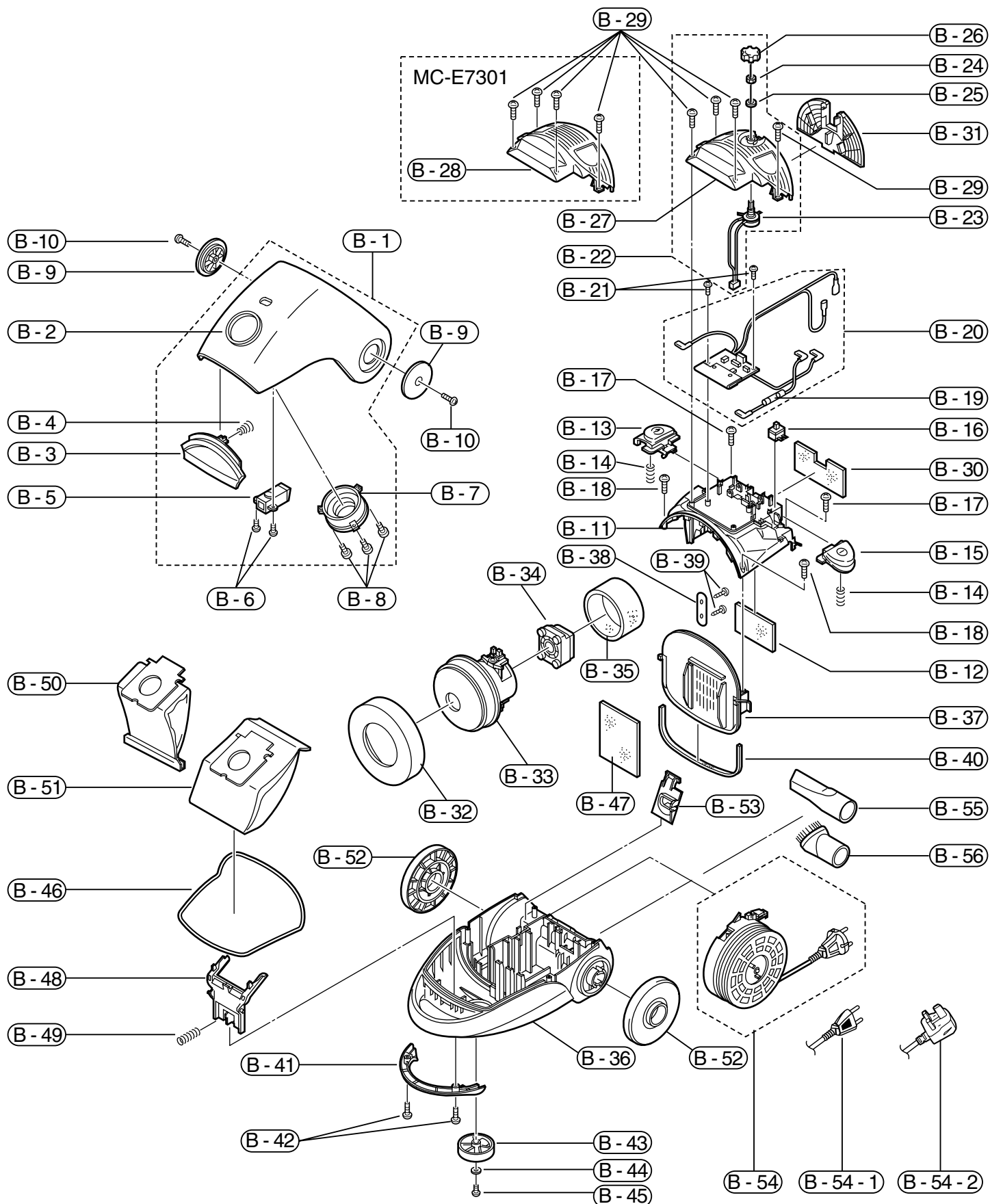
6.1. EXPLODED VIEW (ATTACHMENTS)



6.2. PARTS LIST (ATTACHMENTS)

Ref.:No.	Part No.	Part name & Description	Remarks
A-1	AMC94P-UA000	HOSE ASSEMBLY	
A-2	AMC99P-UZ000	EXTENSION WAND (TELESCOPIC)	E7305/E7305K/E7303/E7303K
A-3	AMC40P-UA000	EXTENSION WAND (METAL)	E7302/E7301/E7301K
A-4	AMC99R-UZ000	FLOOR NOZZLE ASSEMBLY	E7305/E7305K/E7303/E7303K
A-4	AMC99R-UA000	FLOOR NOZZLE ASSEMBLY	E7302/E7301/E7301K
A-5	AMC01R-VA000	FLOOR NOZZLE (SOFT BRUSH)	E7305/E7305K

6.3. EXPLODED VIEW (BODY UNIT)



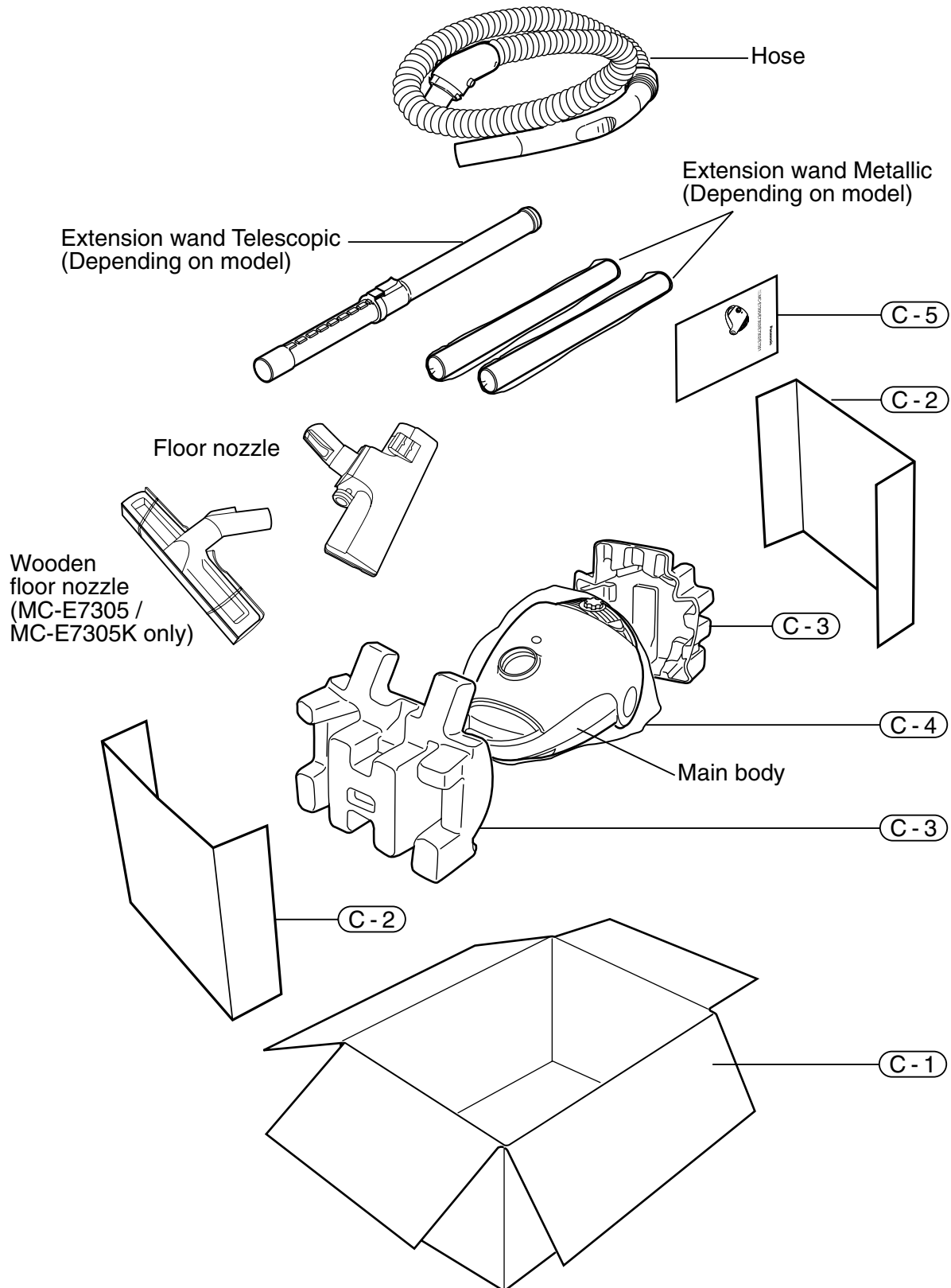
6.4. PARTS LIST (BODY UNIT)

Ref.:No.	Part No.	Part name & Description	Remarks
B-1	AMC93K-VA0Z0	DUST COVER ASSEMBLY	E7305/ E7305K/ Aqua Silver
B-1	AMC93K-UZ0B0	DUST COVER ASSEMBLY	E7303/ E7303K/ Deep blue
B-1	AMC93K-VT0R0	DUST COVER ASSEMBLY	E7302/ Deep red
B-1	AMC93K-UA0M0	DUST COVER ASSEMBLY	E7301/ E7301K / Mauve
B-2	AMC92L-VA0Z0	DUST COVER	E7305/ E7305K/ Aqua Silver
B-2	AMC92L-UZ0B0	DUST COVER	E7303/ E7303K / Deep blue
B-2	AMC92L-VT0R0	DUST COVER	E7302/ Deep red
B-2	AMC92L-UA0M0	DUST COVER	E7301/E7301K/ Mauve
B-3	AMC01D-UA0V0	BACKLE	
B-4	AMC04D-UA000	BACKLE SPRING	
B-5	AMC98M-VA000	INDICATOR UNIT	E7305/E7305K
B-5	AMC98M-UA000	INDICATOR UNIT	E7303/E7303K/E7302/E7301/E7301K
B-6	XTN4+16BFY	TAPPING SCREW	
B-7	AMC60H-UW0V0	SUCTION INLET UNIT	
B-8	XTN4+10BFY	TAPPING SCREW	
B-9	AMC05C-UA0Z0	WHEEL CAP	E7305/E7305K/ Aqua Silver
B-9	AMC05C-UA0B0	WHEEL CAP	E7303/E7303K/ Deep blue
B-9	AMC05C-UA0R0	WHEEL CAP	E7302/ Deep red
B-9	AMC05C-UA0M0	WHEEL CAP	E7301/E7301K/ Mauve
B-10	XTN4+16BFYK	TAPPING SCREW	
B-11	AMC02A-UA0V0	UPPER BODY	
B-12	AMC38K-UA000	REAR FILTER	
B-13	AMC46N-UA0V0	CORD REWIND PEDAL	
B-14	AMC08E-UA000	PEDAL SPRINGS	
B-15	AMC05E-UA0V0	SWITCH PEDAL	
B-16	AMC01E-UA000	ON/OFF SWITCH	
B-17	XTN4+16BFYK	TAPPING SCREW	
B-18	XTS4+12BFYK	TAPPING SCREW	
B-19	AMC82G-UZ000	BLUE LEAD WIRE UNIT (FUSE)	E7305/E7305K/E7303/E7303K/E7302
B-19	AMC82G-UA000	BLUE LEAD WIRE UNIT (FUSE)	E7301/E7301K
B-20	AMC89V-VA000	PRINTED CIRCUIT BOARD UNIT	E7305/ E7305K
B-20	AMC89V-UZ000	PRINTED CIRCUIT BOARD UNIT	E7303/E7303K/E7302
B-20	AMC89V-UA000	PRINTED CIRCUIT BOARD UNIT	E7301/E7301K
B-21	XTN4+16BFYK	TAPPING SCREW	
B-22	AMC89T-VA0V0	PEDAL COVER UNIT	E7305/ E7305K
B-22	AMC89T-UZ0V0	PEDAL COVER UNIT	E7303/E7303K/E7302
B-23	AMC39V-VA000	POWER CONTROL UNIT	E7305/ E7305K
B-23	AMC39V-UZ000	POWER CONTROL UNIT	E7303/E7303K/E7302
B-24	AMC83F-UZ000	INSULATING PIPE	E7305/ E7305K/ E7303/E7303K/E7302
B-25	AMC46P-UZ000	NUT (POWER VOLUME CONTROL)	E7305/ E7305K/ E7303/E7303K/E7302
B-26	AMC25Q-UZ0V0	SWIVEL CAP	E7305/ E7305K/ E7303/E7303K/E7302
B-27	AMC42A-UZ0V0	PEDAL COVER	E7305/ E7305K/ E7303/ E7303K /E7302
B-28	AMC42A-UA0V0	PEDAL COVER	E7301/ E7301K
B-29	XTN4+16BFYK	TAPPING SCREW	
B-30	AMC30L-UA000	OUTLET FILTER	
B-31	AMC41K-UA0V0	FILTER COVER	
B-32	AMC02F-VA000	FRONT MOTOR SUPPORT	E7305/E7305K
B-32	AMC02F-UA000	FRONT MOTOR SUPPORT	E7303/E7303K/E7302/E7301/E7301K
B-33	AMC92F-VA00E	FAN MOTOR UNIT	E7305 230V
B-33	AMC92F-VA00C	FAN MOTOR UNIT	E7305K 230-240V
B-33	AMC92F-UZ00E	FAN MOTOR UNIT	E7303 230V
B-33	AMC92F-UZ00C	FAN MOTOR UNIT	E7303K 230-240V
B-33	AMC92F-UA00E	FAN MOTOR UNIT	E7302/E7301 230V
B-33	AMC92F-UA00C	FAN MOTOR UNIT	E7301K 230-240V
B-34	AMC03F-VA000	REAR MOTOR SUPPORT	E7305/E7305K
B-34	AMC03F-UA000	REAR MOTOR SUPPORT	E7303/E7303K/E7302/E7301/E7301K
B-35	AMC99G-UA000	NOISE SUPPRESSOR UNIT	

6.4. PARTS LIST (BODY UNIT)

Ref.:No.	Part No.	Part name & Description	Remarks
B-36	AMC03A-UA0V0	LOWER BODY	
B-37	AMC06A-UA0V0	BODY PLATE	
B-38	AMC15A-UA000	BODY PLATE SUPPORT	
B-39	XTN4+16BFYK	TAPPING SCREW	
B-40	AMC19A-UA000	BODY PACKING	
B-41	AMC76B-UA0V0	HANDLE COVER	
B-42	XTN4+16BFYK	TAPPING SCREW	
B-43	AMC95C-UA000	CASTER UNIT	
B-44	0011-02-01-2	CASTER WASHER Ø4	
B-45	XTN4+16BFYK	TAPPING SCREW	
B-46	AMC73K-UA000	DUST BOX PACKING	
B-47	AMC37K-UA000	CENTRAL FILTER	
B-48	AMC10K-UA0V0	BAG SUPPORTER	
B-49	AMC34D-UA000	BAG SUPPORTER SPRING	
B-50	AMC99K-UW000	CLOTH BAG UNIT	
B-51	AMC16K-UW000	PAPER BAG	
B-52	AMC01C-UA0V0	WHEEL	
B-53	AMC14N-UA0V0	CORD GUIDE	
B-54	AMC91N-UA00E	CORD REEL ASSEMBLY	With EC Plug
B-54-1	AMC91N-UA00L	CORD REEL ASSEMBLY	With SE Plug
B-54-2	AMC91N-UA008	CORD REEL ASSEMBLY	With BF Plug
B-55	AMC60R-UA0V0	CREVICE TOOL	
B-56	AMC88R-UA0V0	DUSTING BRUSH UNIT	

6.5. PACKING INSTRUCTIONS



6.6. PACKING LIST

Ref.:No.	Part No.	Part name & Description	Remarks
C-1	AMC61Z-VA00A	CARTON BOX	E7305/E7305K
C-1	AMC61Z-UZ00A	CARTON BOX	E7303/E7303K
C-1	AMC61Z-VT00A	CARTON BOX	E7302
C-1	AMC61Z-UA00A	CARTON BOX	E7301/E7301K
C-2	AMC42Z-UA000	PARTITION BOARD A	
C-3	AMC98Z-UA000	CUSHION UNIT	
C-4	AMC10Z-UA000	BODY BAG	
C-5	AMC01Z-UA00E	OPERATING INSTRUCTIONS	English, Spanish, Portuguese
C-5	AMC01Z-UA00L	OPERATING INSTRUCTIONS	German, French, Italian
C-5	AMC01Z-UZ00E	OPERATING INSTRUCTIONS	Swedish, Danish, Norwegian
C-5	AMC01Z-UZ00L	OPERATING INSTRUCTIONS	Finish, Dutch, Greek
C-5	AMC01Z-UA009	OPERATING INSTRUCTIONS	Polish, Czech, Romanian
C-5	AMC01Z-UA006	OPERATING INSTRUCTIONS	Hungarian, Bulgarian, Ukrainian
C-5	AMC01Z-UA007	OPERATING INSTRUCTIONS	Only to RUSSIA